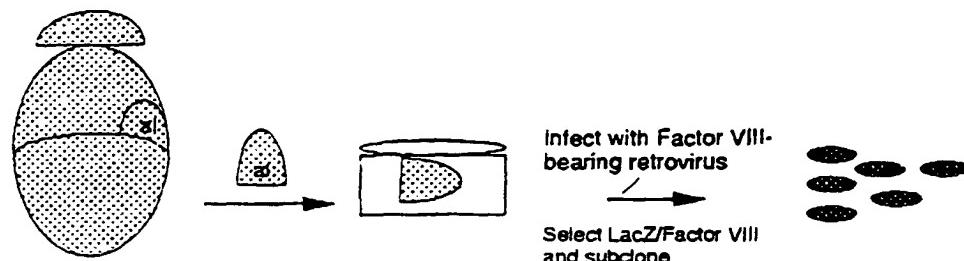


**FIG. 1**

ATTACHED 12/2/87 BY JAMES SIRCOLAGE  
CRAFTSMAN

1. Isolate LacZ-expressing allantois cells and infect with retrovirus carrying Factor VIII



2. Inject LacZ-Factor VIII-expressing allantois cells into Factor VIII-defective embryos

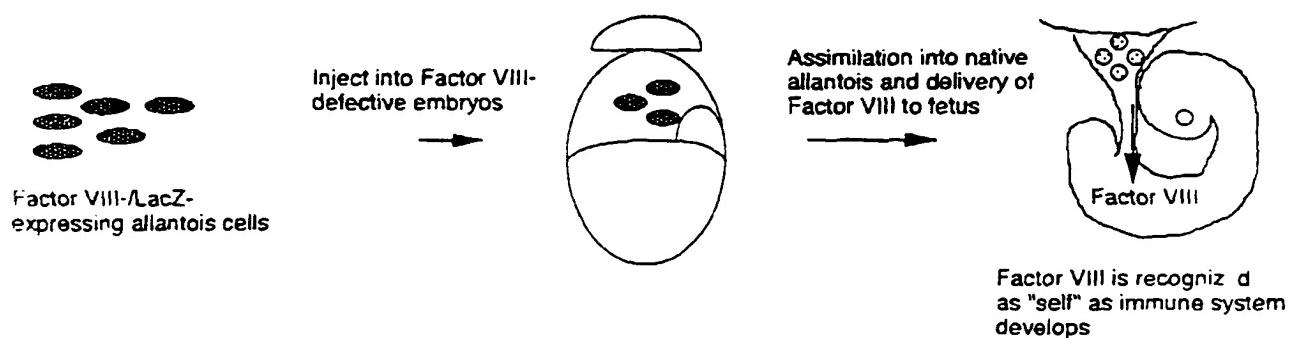
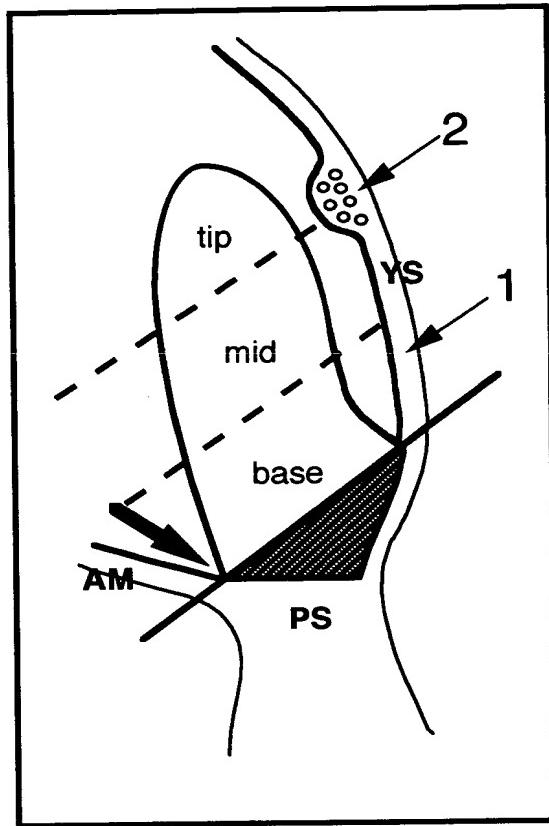
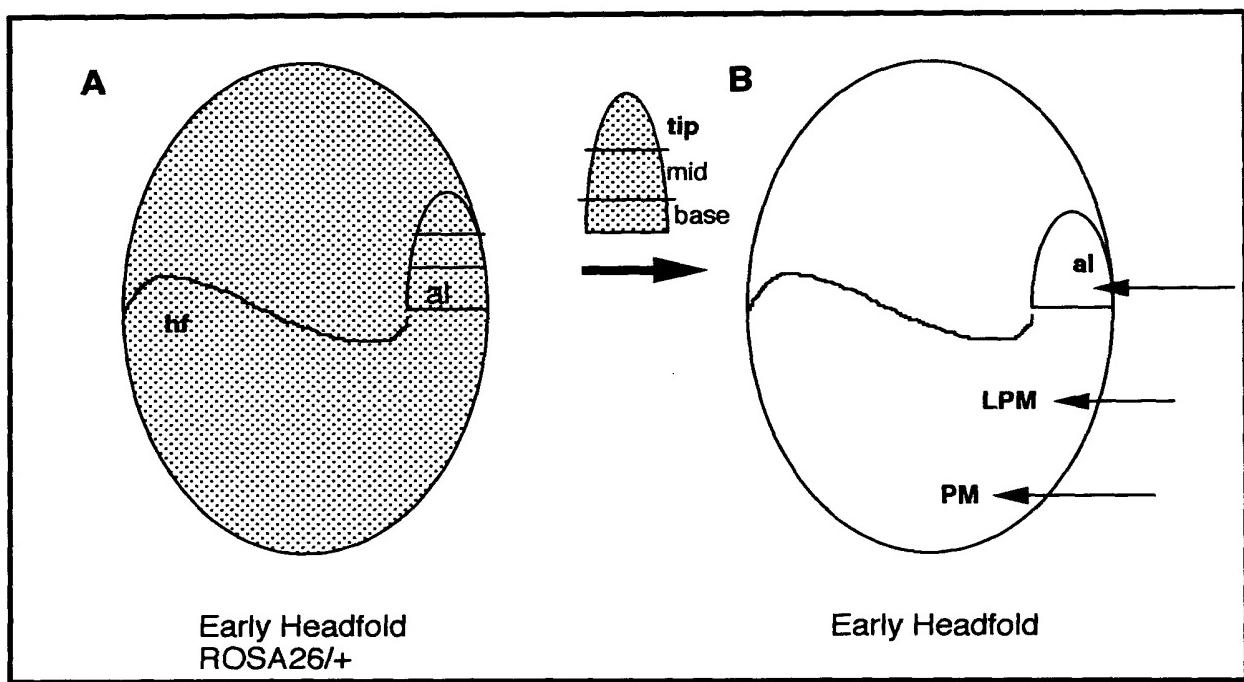


FIG. 2



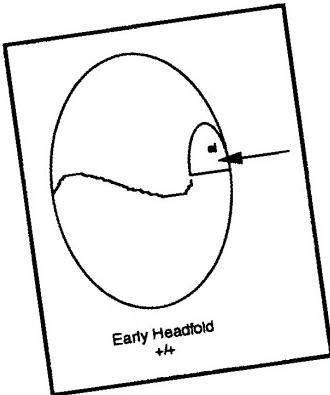
**FIG. 3**

09/22/2012 09:12:00



**FIG. 4**

REPRODUCED BY  
U.S. GOVERNMENT  
PRINTING OFFICE  
1971 FOR THE NATIONAL  
SCIENCE FOUNDATION  
DRAFT COPY

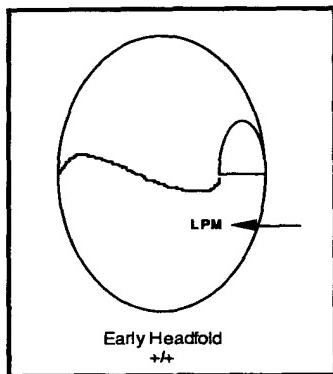


Summary of Grafts into the Base of the Allantois			
Region Grafted →	Base	Mid-Portion	Tip
Region Colonized ↓		+	0
Base	+		
Mid-Region			
Distal Third			
Vitelline Omphalomes	+		
Artery		+	
No. Chimeras with Unincorporated Donor Cells	1		0
Initial Stage of Host Embryos	Headfold	Headfold, 3-5	Headfold, 3
Final Number Somite Pairs	10-16	8-16	11-16
Total Number of Incorporated Transgenic Cells	5652	9715	2501
Number Chimeras (% Total Injected)	21 (60.0%)	16 (76.2%)	12 (85.7%)

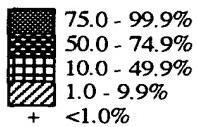
75.0 - 99.9%
   
 50.0 - 74.9%
   
 10.0 - 49.9%
   
 1.0 - 9.9%
   
 + <1.0%

09335103 - 061890

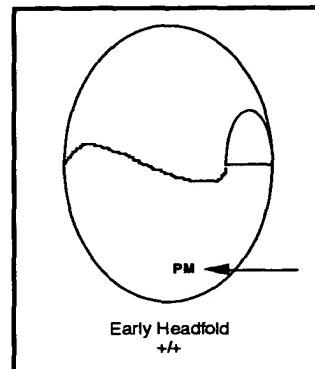
**FIG. 5**



Summary of Grafts into the Primitive Streak at the Level of Prospective Lateral Plate Mesoderm				
	Orthotopic: Prospective Lateral Plate Mesoderm	Heterotopic: Allantois to Prospective Lateral Plate Mesoderm		
Tissue Grafted → Tissue Colonized ↓	LPM	Base	Mid-Portion	Tip
Lateral Plate Mesoderm	██████████	+		
Intermediate Mesoderm	██████████			
Somites	██████████			
Neural Tube	██████████			
Capillaries	██████████			
Endoderm of Future Cecum		██████████		
Surface Ectoderm	██████████	+		
Endothelium of Intersegmental Vessels	██████████	██████████	██████████	██████████
Endothelium of Aorta		██████████	██████████	██████████
Mesenchyme Adj to Dorsal Aorta		██████████	██████████	██████████
Umbilical Endothelium at All/Am Junction		+		
No. Chimeras with Unincorporated Donor Cells		0	5	2
Initial Stage of Host Embryo	Headfold, 2-3	Headfold	Headfold, 3,4	Headfold
Final No. Somite Pairs	11-15	10-12	10-16	11-16
Total Number of Incorporated Transgenic Cells	1925	2789	2769	995
Number Chimeras (% of Total Injected)	10 (52.6%)	4 (23.5%)	12 (54.4%)	5 (27.8%)



**FIG. 6**

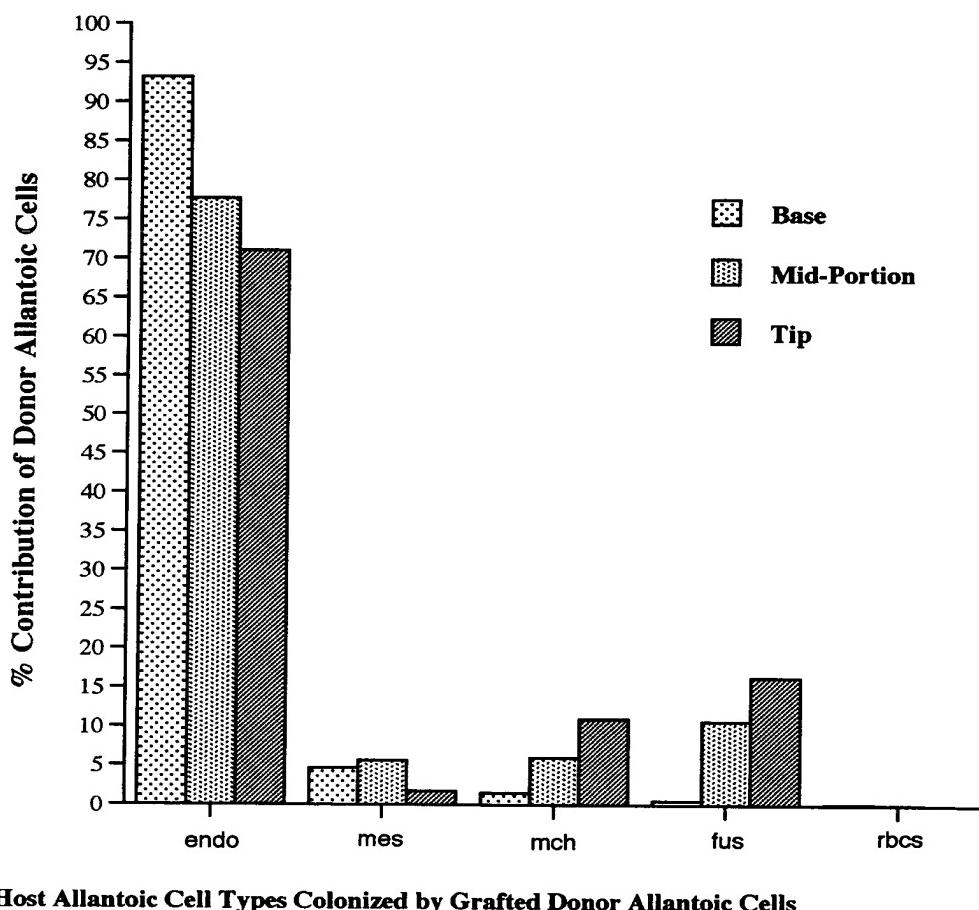


Summary of Transplants into the Primitive Streak at the Level of Prospective Paraxial Mesoderm				
	Orthotopic: Prospective Paraxial Mesoderm	Heterotopic: Allantois to Prospective Paraxial Mesoderm		
Tissue Grafted→ Tissue Colonized ↓	PM	Base	Mid-Portion	Tip
Somites	██████████			
Pre-Somatic Mesoderm	██████████			
Capillaries (in neurectoderm)	██████████			
Neural Tube	██████████			
Notochordal Plate	██████████			
Surface Ectoderm	+			
Endothelium of Intersegmental Vessels		██████████	██████████	
Endothelium of Dorsal Aorta		██████████	██████████	██████████
Mesenchyme Adj to Dorsal Aorta		██████████	██████████	██████████
No. Chimeras with Unincorporated Donor Cells	1	0	4	1
Initial Stage of Host Embryos	Headfold, 3-4	Headfold	Headfold, 1	Headfold
Final Number Somite Pairs	10-14	9-11	8-13	11-13
Total Number of Incorporated Transgenic Cells	1021	136	1060	340
Number Chimeras (% Total Injected)	7 (33.3%)	2 (10.5%)	6 (28.6%)	4 (30.8%)

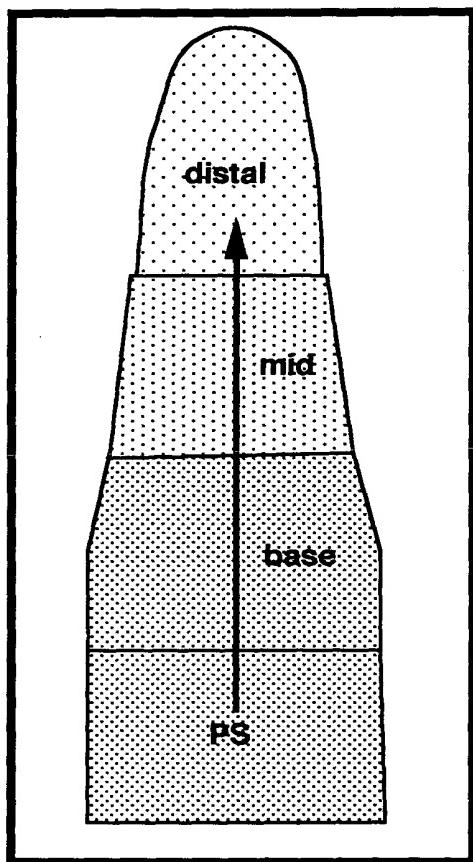
75.0 - 99.9%  
  
 50.0 - 74.9%  
  
 10.0 - 49.9%  
  
 1.0 - 9.9%  
 + <1.0%

FIG. 7

668790 " EOT SITE 60



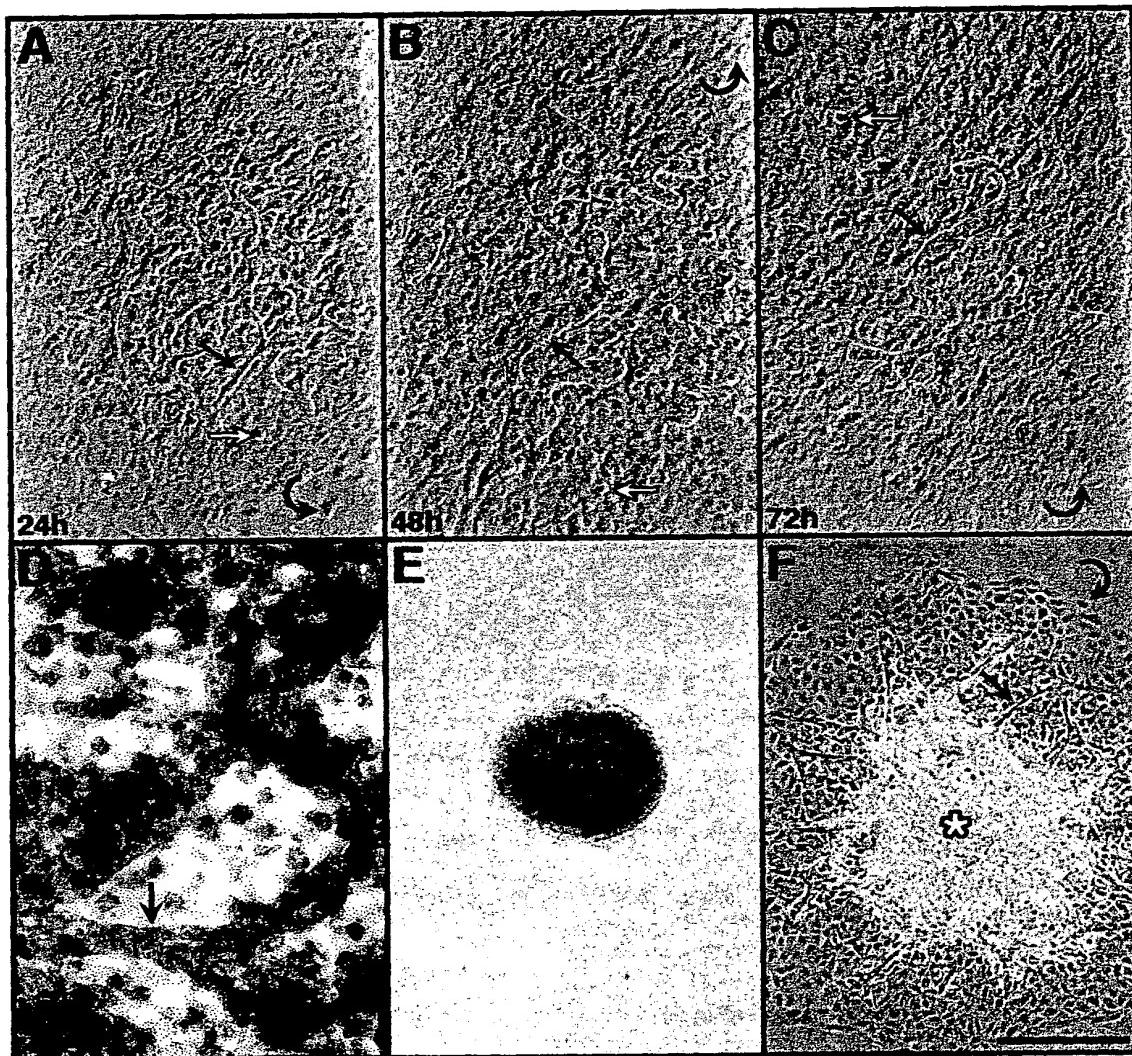
**FIG. 8**



**FIG. 9**

RECEIVED JUN 16 1971  
BY PHILIP JUSZLAK  
CRAFTON LIBRARY

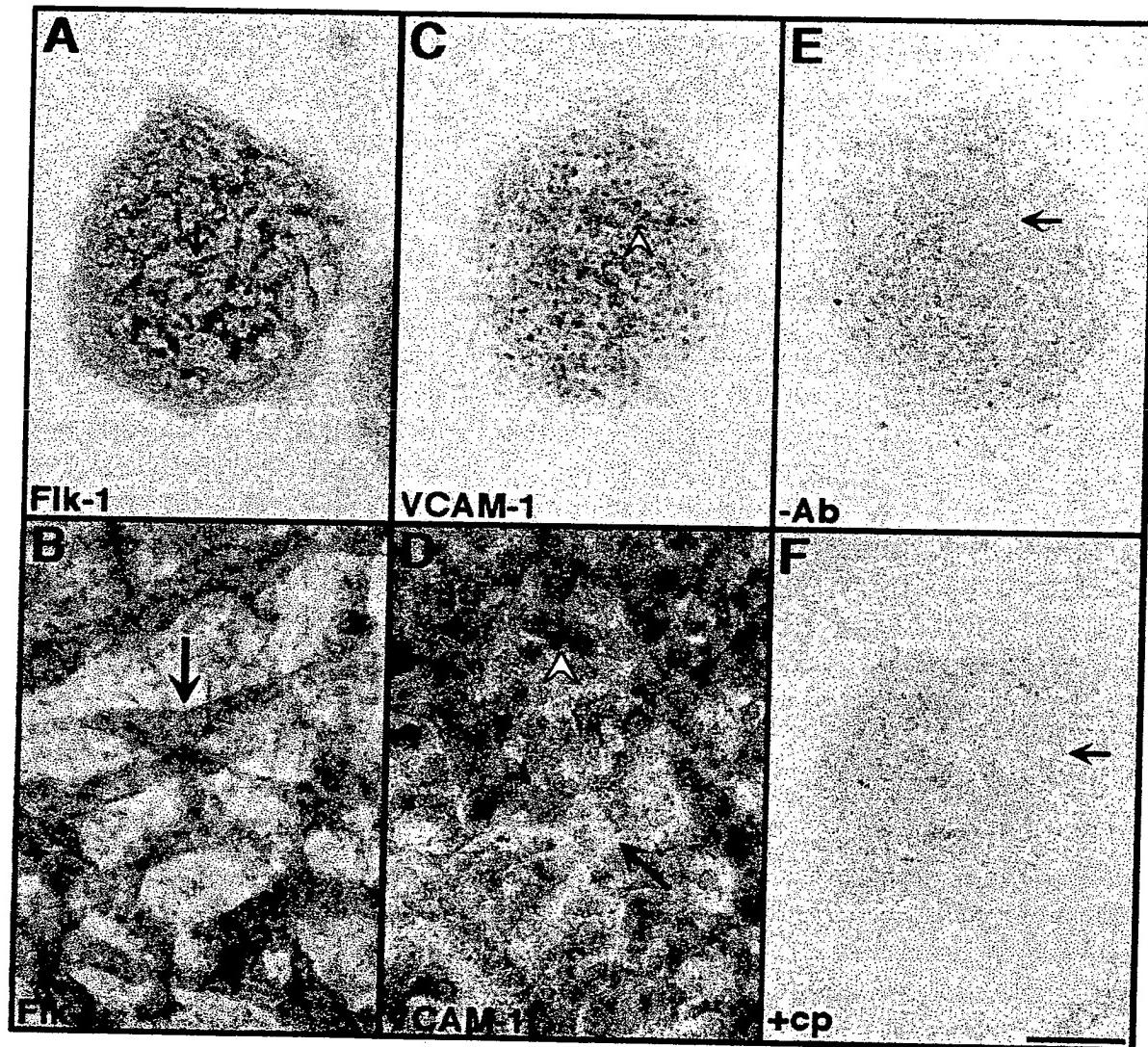
09336403 - 061899



**FIG. 10**

SEARCHED  
SERIALIZED  
INDEXED  
FILED  
JULY 23 1993  
U.S. GOVERNMENT  
PRINTING OFFICE  
ST. LOUIS

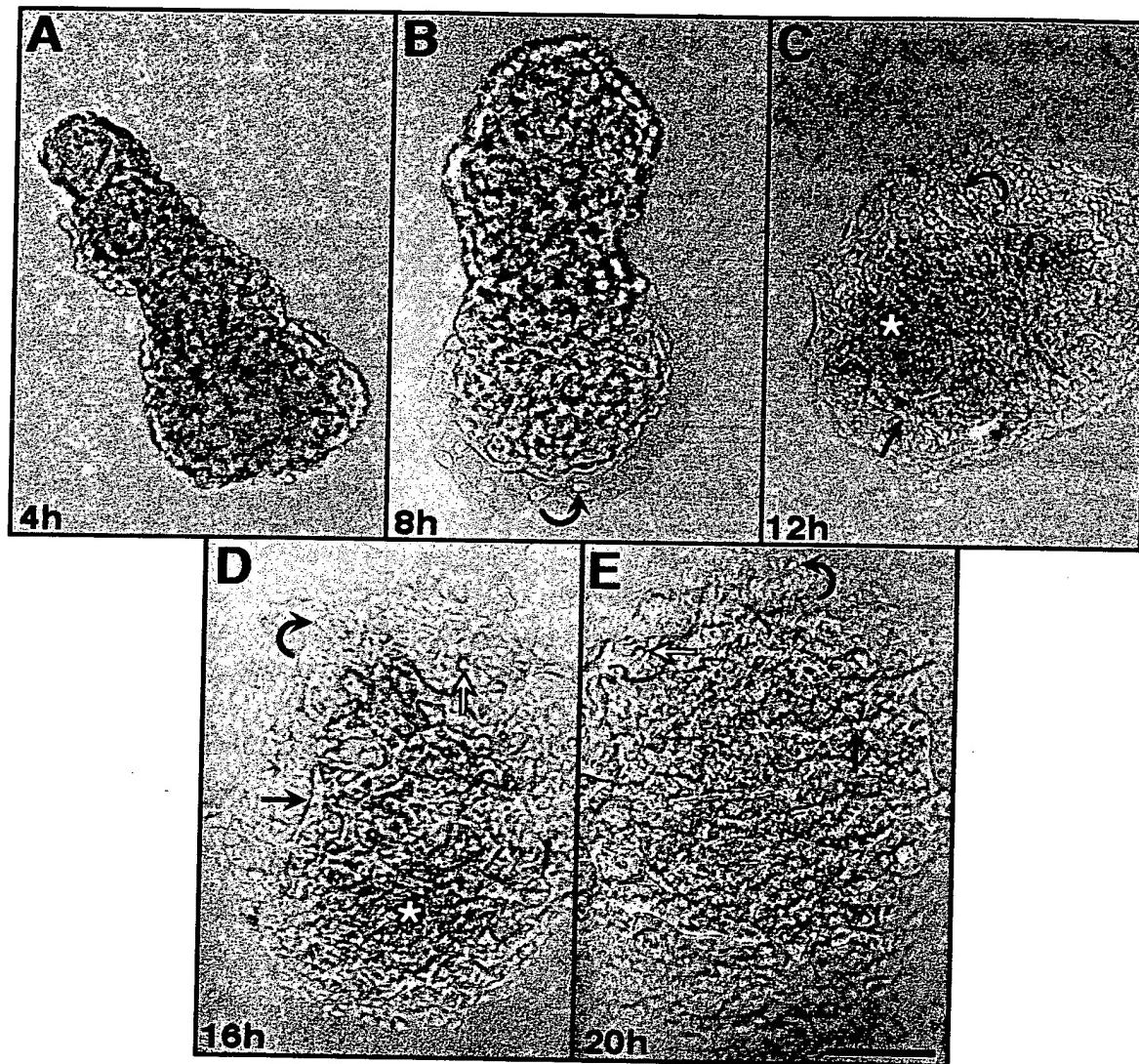
663T90 "EOTREEE60



**FIG. 11**

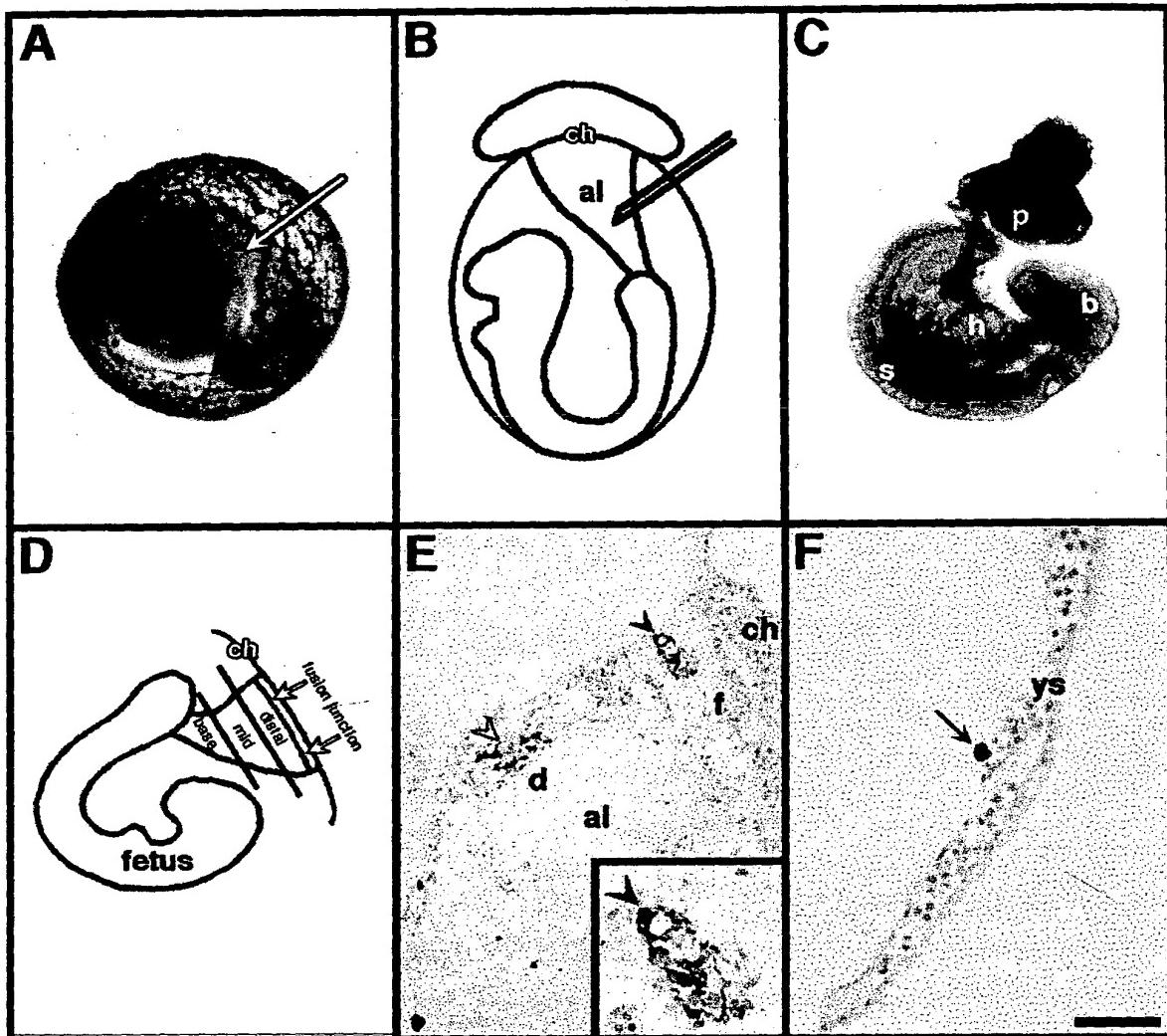
RECEIVED  
JULY 19 1974  
CIVIL SERVICE COMMISSION  
DRAFTED

66870-60764-102-0999

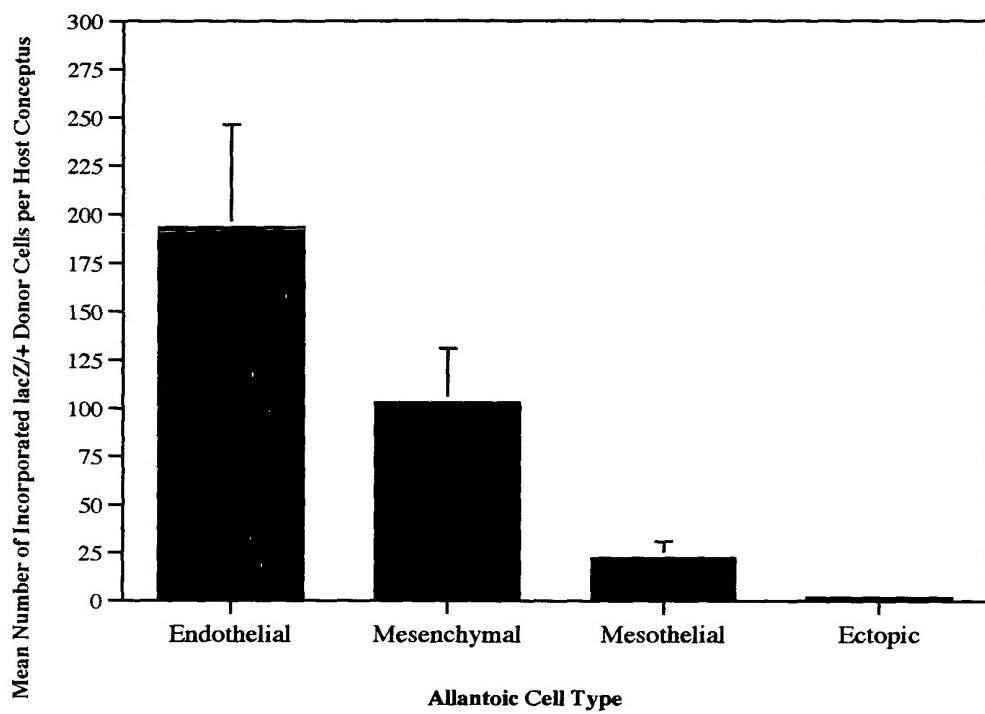


**FIG. 12**

09354103 096990

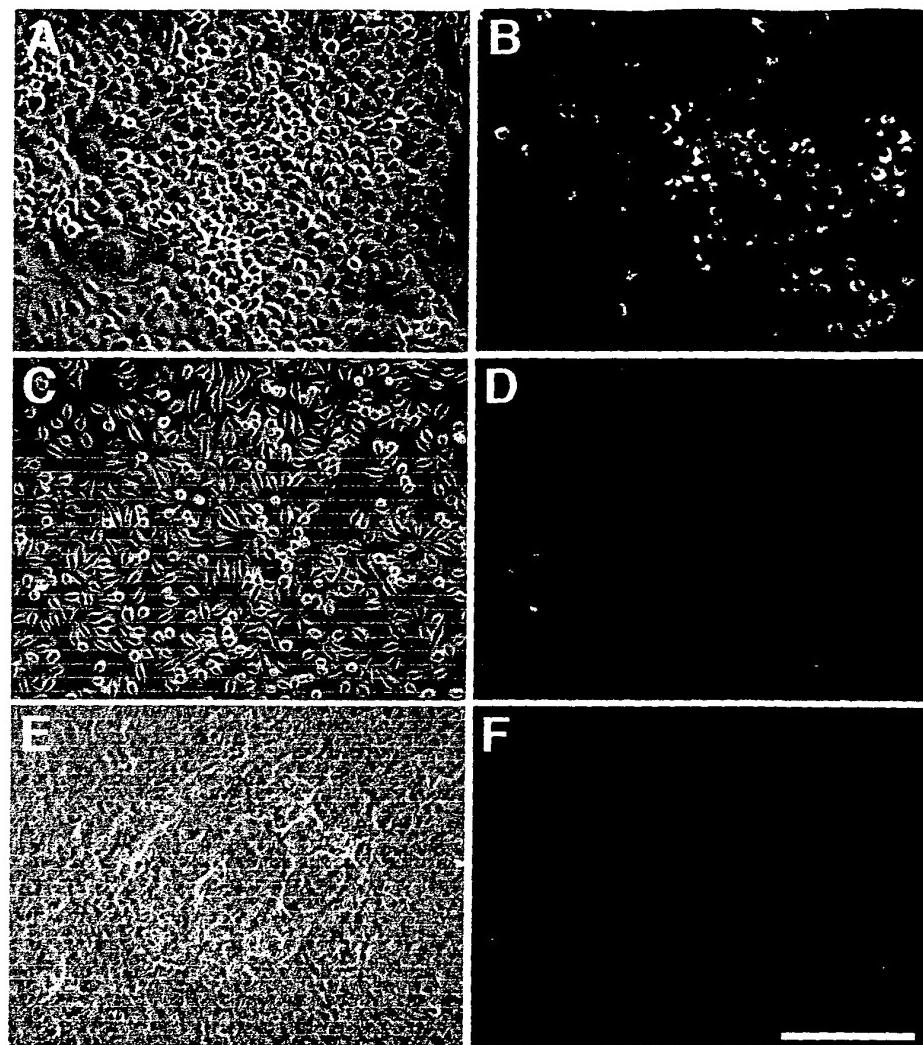


**FIG. 13**



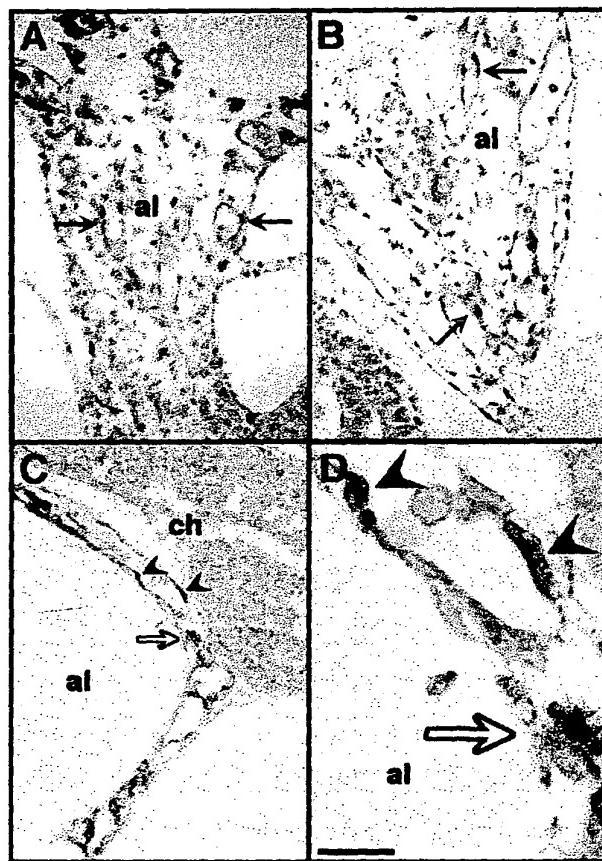
**FIG. 14**

67-10000-1  
67-10000-2  
67-10000-3  
67-10000-4  
67-10000-5  
67-10000-6  
67-10000-7  
67-10000-8  
67-10000-9  
67-10000-10  
67-10000-11  
67-10000-12  
67-10000-13  
67-10000-14  
67-10000-15  
67-10000-16  
67-10000-17  
67-10000-18  
67-10000-19  
67-10000-20  
67-10000-21  
67-10000-22  
67-10000-23  
67-10000-24  
67-10000-25  
67-10000-26  
67-10000-27  
67-10000-28  
67-10000-29  
67-10000-30  
67-10000-31  
67-10000-32  
67-10000-33  
67-10000-34  
67-10000-35  
67-10000-36  
67-10000-37  
67-10000-38  
67-10000-39  
67-10000-40  
67-10000-41  
67-10000-42  
67-10000-43  
67-10000-44  
67-10000-45  
67-10000-46  
67-10000-47  
67-10000-48  
67-10000-49  
67-10000-50  
67-10000-51  
67-10000-52  
67-10000-53  
67-10000-54  
67-10000-55  
67-10000-56  
67-10000-57  
67-10000-58  
67-10000-59  
67-10000-60  
67-10000-61  
67-10000-62  
67-10000-63  
67-10000-64  
67-10000-65  
67-10000-66  
67-10000-67  
67-10000-68  
67-10000-69  
67-10000-70  
67-10000-71  
67-10000-72  
67-10000-73  
67-10000-74  
67-10000-75  
67-10000-76  
67-10000-77  
67-10000-78  
67-10000-79  
67-10000-80  
67-10000-81  
67-10000-82  
67-10000-83  
67-10000-84  
67-10000-85  
67-10000-86  
67-10000-87  
67-10000-88  
67-10000-89  
67-10000-90  
67-10000-91  
67-10000-92  
67-10000-93  
67-10000-94  
67-10000-95  
67-10000-96  
67-10000-97  
67-10000-98  
67-10000-99  
67-10000-100



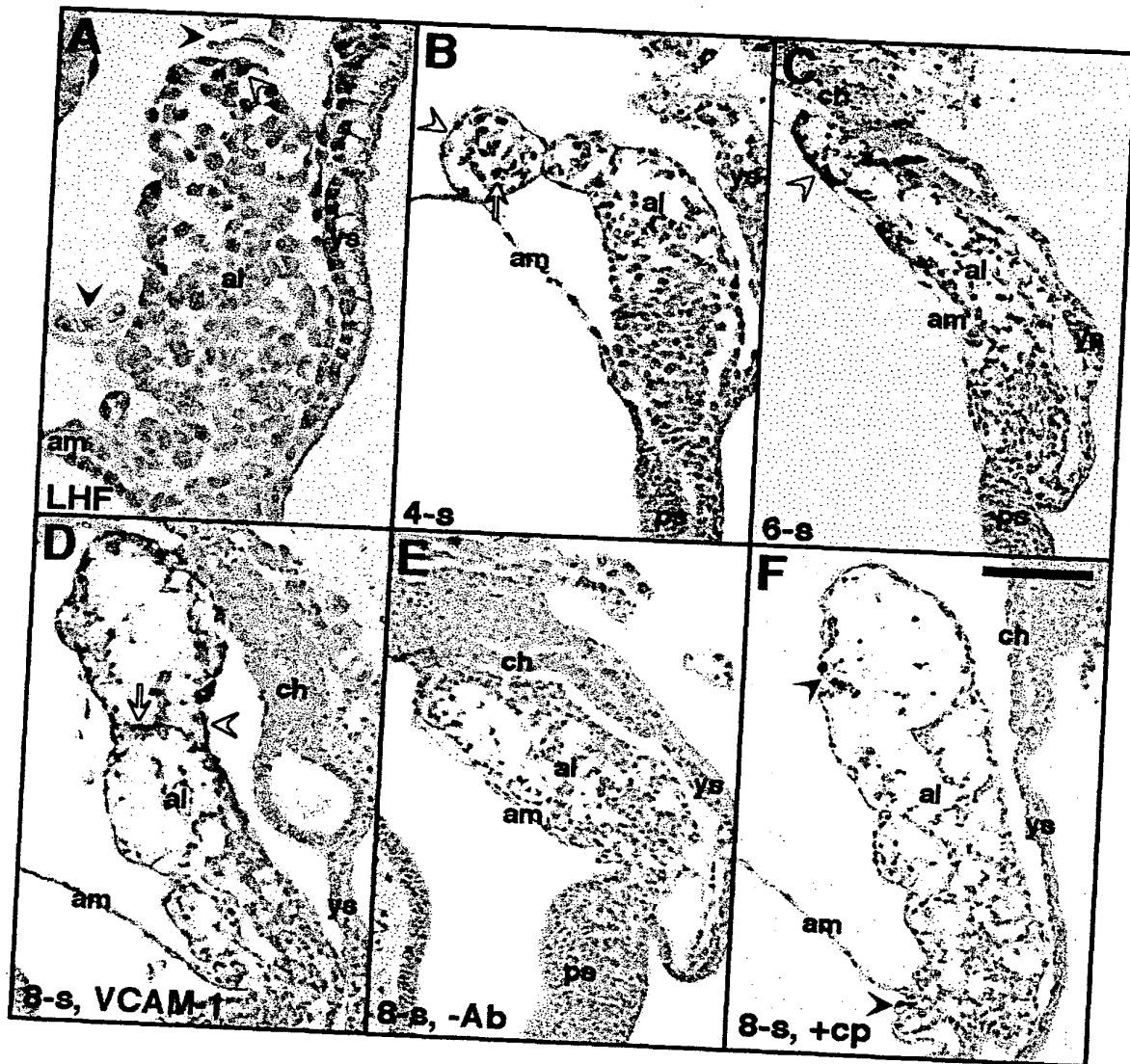
**FIG. 15**

00000000000000000000000000000000



**FIG. 16**

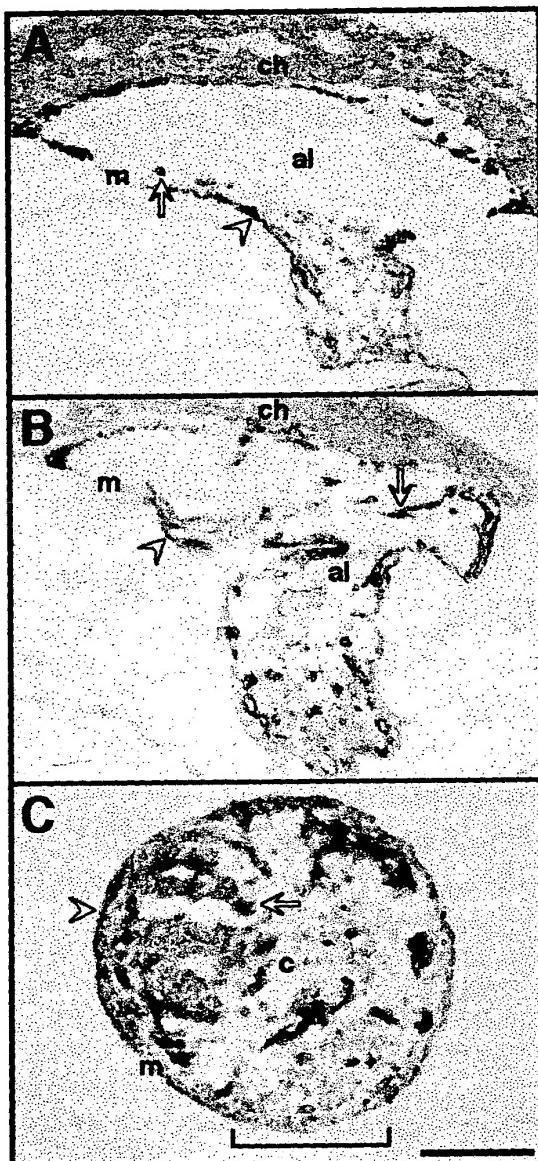
© 1999 Lippincott Williams & Wilkins



**FIG. 17**

AMERICAN  
MICROSCOPICAL  
SOCIETY  
TRANSACTIONS  
VOL. 10, NO. 1, APRIL 1912

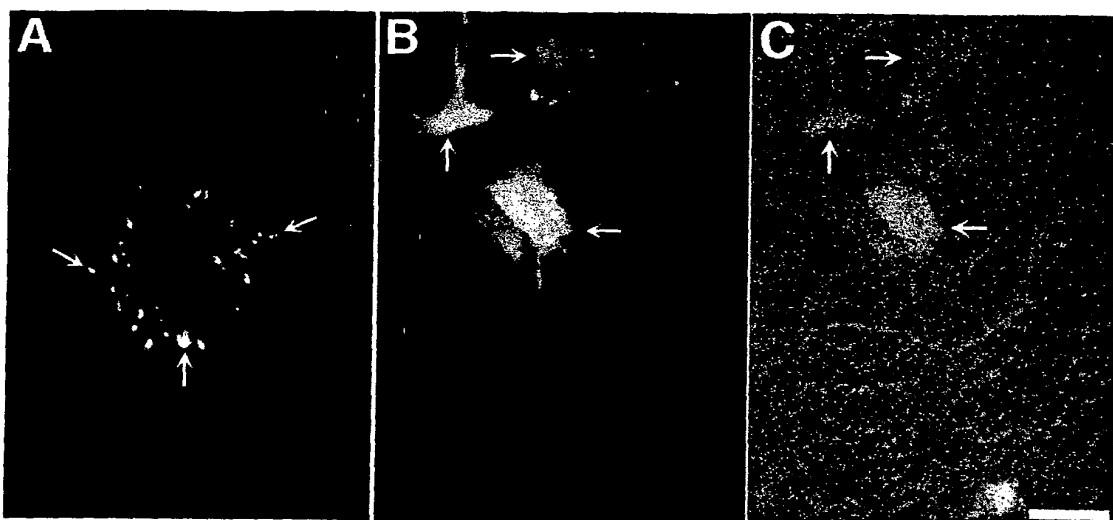
009336103 • 0613899



**FIG. 18**

SEARCHED  
INDEXED  
SERIALIZED  
FILED  
FEB 2 1968  
FBI - PHOENIX

663 P 900 - 201968



**FIG. 19**